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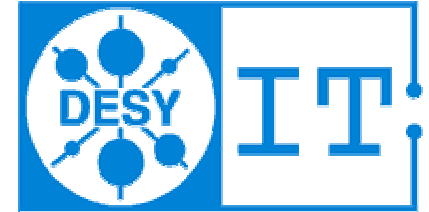
# 'nscd' developments

2003 June 25

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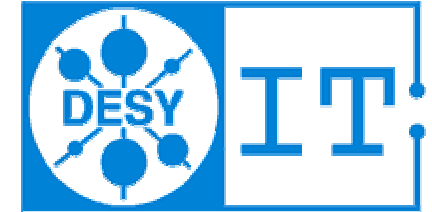
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# The Situation



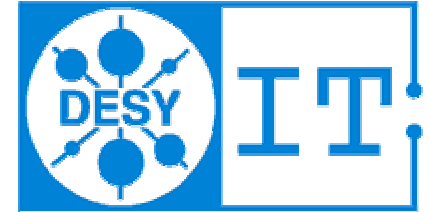
- 'nscd' found to be crashing on a lot of machines
- Strange side effects (“You don't exist, go away”, RPM)
- 'nscd' is closely integrated with `glibc`
- Debugging hints to bug in 'glibc 2.2.2':
  - ➔ Routine is called with insufficient number of parameters and because of this writes to memory
- Wrapper / configuration mechanisms discussed
- Developed a hack that cured the symptom
- SuSE contacted

# The News



- SuSE agreed that 'this could be a problem'
- After some time (vacations, HEPIX, ..) the problem was reproduced using the latest SuSE glibc SRPM installed on a DL 4 test system
- The hack was re-implemented as a patch against this SRPM, tested and sent to SuSE
- SuSE responded by sending a patch that addressed the invalid routine call
- The patch was integrated into the SRPM, glibc recompiled, installed and tested: **'nscd' is stable !**

# What now ?



- We have a patch to 'glibc' that leads to a stable 'nscd'
- Still waiting for the answer to the question, if SuSE will incorporate the patch into their product
- This is a patch to version 2.2.2, so there should be no compatibility issues, if 'glibc' is upgraded
- We have a binary RPM ready for you
  - ➔ We can roll this out with SALAD
  - ➔ It is available in the DL 4 RPM repository
  - ➔ We could install it with the new kernels
- Updates of 'glibc' have been done before at DESY